D. Cheong

Santa Clara Valley Water District

MEMORANDUM

FC 14A (04-11-88)

TO: Randall Talley

FROM: Beau Goldie

SUBJECT: Results of Level I Hazardous Material Investigation and Recommendations for Level II Hazardous Material Investigation for the Upper Guadalupe River Project

DATE: July 30, 1992

This presents results of the Level I Hazardous Material Investigation and recommendations for the Level II hazardous material investigation for the Upper Guadalupe River Project. The level I investigation was conducted by Kleinfelder, Inc., and the results and recommendations are documented in the "Upper Guadalupe River Flood Control Project, Hazardous Materials Investigation, Project Area Review Report, San Jose, California" dated January 9, 1992. This memorandum is presented in the following sections: project background, methodology summary, Level I results and discussions, and recommendations.

The Project Background Section presents a brief description of the flood control project limits. The Methodology Summary Section presents a summary of the methodology used to conduct the Level I investigation for hazardous materials along the project alignment. The Level I Results and Discussions Section presents a summary of the results of the Level I investigation and discussion on the extent and impacts of contamination on each contaminated site and on the project construction. The Recommendations Section presents the recommendations for a level II investigation to confirm and evaluate the extent and impacts of hazardous material contamination to the property acquisition and project construction.

I. PROJECT BACKGROUND

The objective of the Upper Guadalupe River Flood Control Project is to modify the existing channel so that it will contain a one percent flow rate. The project limits are as follows: on Guadalupe River from Highway 101 to Interstate 880 and from Highway 280 to Blossom Hill Road; on Ross Creek from the Guadalupe River to Jarvis Avenue; and on Canoas Creek from the Guadalupe River to Nightingale Drive. Channel modifications on the Guadalupe River are divided into eight (8) reaches and shown on Figure 1.

II. METHODOLOGY SUMMARY

The Level I investigation was conducted by Kleinfelder Inc., from July 9, 1991 to January 9, 1992. The main objectives of the Level I investigation were to: 1) identify potential sources of surface and subsurface contamination along the project alignment; 2) evaluate potential impacts of existing potential contamination sources to the alignment; 3) identity potential impacts of contamination on the properties to be acquired in fee or easement by the District; and 4) provide recommendations for additional investigation, as necessary, to evaluate the extent and impacts of contamination to the project design and construction.

The following tasks were performed as part of the Level I investigation: review of regulatory agency lists to identify contaminated sites within a ½-mile radius of the project alignment; review agency records for contaminated sites within 500 feet of the project alignment; review of historical aerial photograph and Sanborn Fire Insurance maps to identify past usage of properties within 500 feet of the project alignment; field inspection of the alignment and of each contaminated site within 500 feet of the project alignment; drive-by survey of the areas extending for one block on both sides of the project alignment; walk-by visual review of 183 residential properties to be acquired by the District; and performing preliminary site assessment (PSA) of 11 commercially-developed parcels to be acquired by the District. The results of the level I investigation for the entire project alignment was documented in the report titled "Upper Guadalupe River Flood Control Project, Hazardous Materials Investigation, Project Area Review Report, San Jose, California" dated January 9, 1992.

The tasks performed for the PSA of each of the 11 commercially-developed parcels were identical to the tasks described for the general level investigation for hazardous materials with the exception that the emphasis of the record review was on each subject parcel instead of on the project alignment. The Polk Directory was also reviewed for each of the 11 commercially-developed parcels to identify past tenants and, if possible, past site usage. The Polk Directory contains identification of the past occupants for each specific address. Additionally, an on-site inspection and interview of the owner/employee of the business on each of the 11 commercially-developed parcels were conducted to obtain property-specific information on the past and present usage of each parcel. The results of the PSA were summarized for each of the 11 parcels and included in the draft report titled "Upper Guadalupe River Flood Control Project, Hazardous Materials Investigation, Preliminary Site Assessment Report, San Jose, California" dated October 22, 1991. The report is being finalized by Kleinfelder Inc. for the District.

III. LEVEL I RESULTS AND DISCUSSIONS

Each of the 194 properties that the District plans to acquire for the project is ranked based on the results of the site walk-by. Additionally, the rankings of 11 commercially-developed properties were also based on the results of PSA conducted specifically for these parcels. Each site is given a ranking of either "high" or "low" potential for contamination impact. The description of each site is presented below.

Low: Properties without obvious signs of environmental concerns (i.e., stained soil, distressed vegetation, unusual excavation or drilling activity, and storage of drums) or visible storage, use, or disposal of hazardous materials, and the parcel was residentially developed.

High: Properties that are known or suspected to be contaminated by having the following criteria: 1) underground or above ground storage tank; 2) storage and use of hazardous materials including agricultural pesticides; and 3) sites that are adjacent to a property with known contamination.

From the list of 194 properties that the District plans to acquire for the project, 24 properties are ranked "high" and 170 properties are ranked "low." Table 1 lists the parcels with the "low" ranking. The parcels ranked as "low" will not require further investigation unless substantial time has elapsed or a change in the property use has occurred. Table 2 lists the parcels with the "high" ranking. The parcels ranked as "high" will require additional field investigation. Table 2 also lists the reasons of concerns for each parcels.

The following paragraphs present results of the Level I investigation on the parcels that will require additional field investigation. The recommendations for the additional investigation at each parcel are presented in Section IV Recommendations. The results are presented for each project reach as used by the Flood Control Planning Division. For ease of reference, some of the site designations used in the Kleinfelder's report are also used in the paragraphs below. A site number with a "C" indicates a contaminated site which has been reported to a regulatory agency. A site number with a "P" indicates a property that will be acquired by the District. A site number with a "SB" indicates that information on the site was obtained from the review of historical Sanborn maps.

Reach A: Highway 101 to Interstate 880

The flood control improvements in this area include: 1) establishing maintenance road and ramps on the west bank; 2) minor repair of erosion sites on the west bank; 3) widening the east bank of the channel 80 feet to the east; and 4) creating a bench on the east side at approximately 10 feet above the existing channel invert. The existing channel invert is approximately 25 feet below ground surface.

Eight sites with leaking fuel underground storage tanks (USTs) were identified within 500 feet from the west bank of the Guadalupe River from the regulatory file review (i.e., Sites C89 International Airport Vehicle Maintenance, C91 San Jose Airport, C92 Budget Rent-A-Car, C93 Avis Car Rental, C95 Dollar Rent-A-Car, C96 National Car Rental, C97 Hertz Rent-A-Car, and C108 budget Rent-A-Car). Information collected from the agency file for each site is summarized in Section 6.4 Records Review of the Report. Up to 11,000 ppm of TPHG has been reported in the soil underlying these sites. Floating product has also been reported in a well on site C95. Groundwater underlying each site has been reported to contain petroleum hydrocarbons.

The information in the District's fuel leak files indicated that remediation investigations are ongoing at these sites. Even though the extent of contamination has not been defined, it appears that the contamination has not reached the levees on the west bank of the river and impacts to construction are not expected because channel widening is only proposed in the east bank. The progress of investigation and cleanup activities at these sites should be monitored to evaluate impacts to project construction.

Reach 6: Interstate 280 to Southern Pacific Railroad (SPRR)

The flood control improvements in this area include: 1) minor repair of erosion sites on the west bank; and 2) construction of a by-pass channel on the east bank of the river. The invert of the by-pass channel will be approximately 18 feet below ground surface.

Two (2) contaminated sites, the former photographic developing business and Bennet's Automotive Service, were identified within 500 feet of the Guadalupe River from the regulatory file review. Site SB13 is a former photographic developing business was located in the area currently occupied by Interstate 280 and the Guadalupe Freeway interchange. Photographic developing facilities use and dispose of metal solution. It appears that there is the potential for metal contamination in soil underlying this site. There is no information on the extent of soil or groundwater contamination in the vicinity of the site. Additional field investigation is required to evaluate whether or not the underlying soil is impacted with metals and to determine contamination impacts to project construction.

Site C48, Bennett's Automotive (Parcel P161) is one (1) of the eleven (11) commercially developed parcels that the District will acquire for the project. This site is located at the northeast corner of Willow Street and the Guadalupe River. One (1) 500-gallon waste oil UST was removed in September 1987. On December 1987, approximately 25 cubic yards of soil contaminated with Diesel and Oil and Grease were removed from the location of the former UST. Soil samples collected from a soil boring on site at a depth of 30.5 feet indicated nondetectable concentrations of TPHG, TPHD, BTEX, Oil and Grease, and VOCs. Groundwater contamination was not suspected. However, surface spills of hazardous materials are common in auto repair shops and there is the potential for the chemicals stored and handled at this site to exist which may impact the acquisition of the property and project construction. Additional field investigation is necessary to evaluate the impacts of hazardous materials on the soil and groundwater underlying the property and to the project construction.

Additionally, the site walk-by survey identified two (2) residential properties, Parcels P181 and P170, which may have the potential for the storage of hazardous materials. Parcel P181 (APN 264-35-043) contained three 55-gallon drums on the drive way. It was not known if the drums were full or what was the content of the drums. Parcel P170 (APN 264-40-080) contained a possible vent of an UST. This structure should be inspected to determine whether or not this is a vent pipe of an UST. An on-site inspection of these parcels is necessary to determine whether or not hazardous materials are stored or used on the properties.

Reach 7: SPRR to Union Pacific Railroad (UPRR)

The flood control improvements in this area include: 1) minor repair of erosion sites on the west bank; 2) construction of a by-pass stepped gabion channel to the east of the river; and 3) construction of a by-pass box culvert to the east of the river. The invert of the by-pass channel and box culvert will be approximately 18 feet below ground surface.

Two (2) contaminated sites, Arco Service Station and Bruzzone Properties, were identified within 500 feet of the project alignment from the regulatory file review. Site C39, Arco Service Station is located at the northwest corner of Alma Avenue and the Guadalupe River and is approximately 300 feet west of the river. Three (3) 10,000-gallon USTs were removed in December 1989. Two hundred cubic yards of contaminated soil were removed from the site. The date when the contaminated soil was removed was not available. Up to 1107 ppm of TPHG was reported at the depth of 44 feet below ground surface. TPHG was detected from 3 to 69 ppm in the groundwater at the depth of 60 feet below ground surface. Extent of soil and groundwater contamination has not been defined and the site investigation is ongoing. However, it appears that the contamination from this site will not impact the project construction because proposed channel modifications are on the east bank. No additional field investigation is recommended at this time.

Site C47, Bruzzone Properties is located at the southwest corner of Alma Avenue and the Guadalupe River. Parcels P155 (APN 434-04-006), P153 (APN 434-04-003), P152 (APN 434-04-011), P151 (APN 434-04-012), and P149 (APN 434-04-066) are being used by Armen's Auto Repair, T&T Auto Body and Repair, Willow Glen Auto Body, Triumph's Only, Pied Piper Exterminators, and Outboard Motor Repair. Information collected from the hazardous material management plans (HMMPs) of these facilities indicate storage and usage of hydrocarbon solvents, mineral spirits, pesticides, petroleum hydrocarbons, and waste oil. Additionally, surface spill of petroleum products and automobile fluids are common in auto repair operations. Extent of soil and groundwater contamination is not known. However, due to past and present usage of the site, there is the potential for the chemicals listed above to impact the property acquisition and project construction. Additional field investigation is recommended to evaluate the impact of hazardous materials on the soil and groundwater underlying these parcels.

Additionally, the site walk-by survey identified four (4) parcels P158, P159, P148 and P143, which have the potential for contamination to exist on the property. Parcels P158 and P159 (APN 264-48-010 and 264-48-094) are occupied by the Guadalupe River overpass and visible soil stains were observed on the

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parcels. Parcel P148 (APN 434-04-002) is located within the river alignment and soil stains were observed on the outflow pipe and spill way. Parcel P143 is occupied by the Creek Side Inn and contains a 40-foot by 40-foot concrete pad with a 5-inch hole filled with concrete at the center of the pad. This pad should be verified to determine whether or not an UST existed below the pad. Additional field investigation is necessary to evaluate the impacts and extent of soil stains on Parcels P159, P158, and P148. Additional field investigation is necessary to verify the presence and impact of the former UST on the soil and groundwater underlying Parcel P143. ← P143 is adjacent 434-19-027.

Reach 8: UPRR to Willow Glen Way

The flood control improvements in this area include: 1) minor repair of erosion sites on the west bank; and 2) construction of a by-pass gabion channel to the east of the river; and 3) construction of a by-pass box culvert at the UPRR trestle. The invert of the by-pass channel and box culvert will be approximately 18 feet below ground surface.

There was no contaminated site identified within this reach from the regulatory file review. The site walk-by survey identified one (1) residential parcel with potential environmental concern. Parcel P139 (APN 434-27-033) contained one 30-gallon drum and one 55-gallon drum adjacent to the Guadalupe River. An on-site inspection is necessary to verify that there is no storage or usage of hazardous materials on the parcel.

Reach 9: Willow Glen Way to Curtner Avenue

The flood control improvements in this area include: 1) minor repair of erosion sites on the west bank; 2) replace Willow Glen Way Bridge; and 3) construction of a by-pass channel and widening of the channel on the east bank of the river. The existing channel invert is approximately 24 feet below ground surface.

There was no contaminated sites identified within this reach from the regulatory file review. There are three (3) commercially-developed parcels P110, P111 and P112, which the District plans to acquire for the project. Parcel P110 (APN 455-21-57) is located at 1891 Almaden Road and is occupied by Golden State Builders and Demolition. The owner did not allow access to the property for an on-site inspection. From the review of historical aerial photograph, it appeared that there were three above-ground storage tanks located on the site from February 1954 to March 1958. A small shed was also noted on the property from August 1971 to August 1990. An on-site inspection is necessary to evaluate the potential impacts of the site usage to the property acquisition and project construction. Additional field investigation is necessary to evaluate the impacts of the former aboveground UST on the underlying soil.

Parcel P111 (APN 455-21-56) is located at 1891 Almaden Road and is occupied by Farr Construction Company. The owner did not allow access to the property for an on-site inspection. Review of historical aerial photograph indicate residential land use from 1954 to August 1990. Possible soil staining at the northwest corner of the property was noted from the review. An on-site inspection is necessary to determine any visual environmental concerns on the property and a field investigation is necessary to evaluate the impacts of soil stainings on the property.

Parcel P112 (APN 455-21-55) is located at 1873 Almaden Road and is occupied by Terry Concrete Company. The building on site is being used for business accounting, coordinating activities, and some equipment storage since 1983. Asbestos containing materials were believed to be present inside the building. The record review and on-site inspection result did not indicate the potential for contaminants to exist in the underlying soil or groundwater. Based on the available information, it appears that the potential for contamination on the property is low and no additional field investigation is necessary at this time.

Reach 10: Curtner Avenue to Capitol Expressway

The flood control improvements in this area include: 1) minor repair of erosion sites on the west bank; 2) replace Curtner Avenue and Hillsdale Bridges; 3) construct a 5-foot levee on portion of the west bank; 4) construction of stepped gabion on the east bank of the river; and 5) widening of the channel on the east bank to create a bench approximately 7 feet above the existing channel invert. The existing channel invert is approximately 26 feet below ground surface.

Two (2) contaminated sites, Chevron Service Station and Valley View Packing Plant, were identified within 500 feet of the Guadalupe River within this reach from the regulatory file review. The Chevron Service Station (Site C31) is located approximately 250 feet east of the river and at the southeast corner of Curtner Avenue and the river. Two (2) 10,000-gallon and one (1) 5,000-gallon gasoline USTs were removed from the site on February 17, 1988. Contaminated soil was reportedly removed after the USTs were removed from the site. The date when the contaminated soil was removed was not available. Soil samples collected after tank and soil removal indicated nondetectable concentrations of petroleum hydrocarbons. Groundwater was not encountered at the depth of 45 feet below ground surface. Investigation and cleanup of the site was signed off by the RWQCB. It appears that the contaminated soil was removed from the property and the impact to project construction would be low. As a result, no additional field investigation is recommended at this time.

The Valley View Packing Plant and Orchards (Site C24, Parcel P024, APN 455-39-003) is located adjacent to the river and is northeast the intersection of Hillsdale Avenue and the river. Two (2) 10,000-gallon and one (1) 8,000-gallon gasoline USTs, one (1) 500-gallon waste oil tank, and one (1) 6,000-gallon diesel UST were removed in April, 1990. The soil underlying the site has been reported to contain TPHD, TPHG, waste Oil, Grease, and metals. TPHG was detected from nondetectable to 5400 ppm, TPHD was detected from nondetectable to 23000 ppm, and Lead and Zinc were detected from 14 to 240 ppm. Extent of soil and groundwater contamination on the parcel is not known. It is also suspected that the surface soil may contain pesticides which were used on the orchards in the past. It appears that there is the potential for petroleum hydrocarbons and pesticides to impact project construction. Additional field investigation is necessary to evaluate the impacts of past petroleum hydrocarbon discharge of the site to the soil and groundwater underlying the project construction's right of way adjacent to this parcel.

Additionally, the site walk-by survey identified three (3) parcels, Parcels P055, P025 and P026, with potential environmental concerns. Parcel P055 (APN 455-27-009) was undeveloped and contained what appeared to be an abandoned well and stand pipe. An on-site assessment is necessary to determine the purpose and integrity of these structures.

Parcels P025 and P026 (APN 455-12-007 and 455-39-003) are occupied by old and unused structures and orchards. There is the potential for past usage and storage of pesticide. Additional field investigation is necessary to determine impacts of pesticides on the underlying soil.

Reach 11: Capitol Avenue to Branham Lane

The flood control improvements in this area include the widening of the channel on both banks to create a bench approximately 5 to 10 feet above the existing channel invert. The existing channel invert is approximately 23 feet below ground surface.

Two (2) contaminated sites, Upton Property and Pennington Property, and two potential contaminated sites, former gasoline service station and Parcel P106, were identified within 500 feet of the river within this reach from the regulatory file review. The Upton Property (Site C16, Parcel P011, APN 459-02-001) is located at 3278 Almaden Expressway and is approximately 70 feet west of the river. TPHD was detected from nondetectable to 990 ppm, Oil and Grease was detected from nondetectable to 1400 ppm, and metals were detected from 2 to 360 ppm. The extent of soil and groundwater contamination is not known and the site investigation is ongoing. The investigation activities at the site should be monitored to evaluate impacts of contamination to the project construction.

The Pennington Property is located at 14025 Almaden Expressway (Site C15) and is approximately 100 feet west of the river. The underlying soil contained waste oil and Grease up to 150 ppm at the depth of 10 feet below ground surface. The contaminated soil was removed from the site and the case was signed off by the RWQCB. It appears that the contaminated soil on the property was removed and construction impacts are not expected. No additional field investigation is necessary at this time.

The aerial photograph review indicated that there may have been a former gasoline service station located at the northeast corner of Branham Lane and Almaden Road. No other information was available regarding the station. The extent of soil and ground water contamination, if any, from the former gasoline service station is unknown. There is the potential for petroleum hydrocarbons from the former gas station to impact the project construction. Additional field investigation is necessary to identify impacts of petroleum hydrocarbons on the soil and groundwater underlying the project construction's right of way adjacent to the former service station.

The site walk-by survey identified one (1) parcel with environmental concern. Parcel P016 (APN 459-02-013) is used for residential purposes. However several 55-gallon drums and smaller containers were used as supporting structures for the scrap wood on the property. It was not known whether or not the drums contain any materials. A site inspection is necessary to verify that there is no storage or usage of hazardous materials on the parcel.

Reach 12: Branham Lane to Blossom Hill Road

The flood control improvements in this area include lowering the west bank to create a bench approximately 5 to 7 feet above the existing channel invert. The existing channel invert is approximately 20 feet below ground surface.

Two (2) contaminated sites, Kaiser Development and Taylor Development, were identified within 500 feet of the river within this reach from the regulatory file review. Site C9, Kaiser Development is located at Blossom Hill Road and Blossom River Drive and is located approximately 300 feet east of the river. Piazza Paving quarried the surface materials and operated an asphaltic concrete plant prior to 1980. TPH was detected at concentration of 3600 ppm at the depth of 41 feet below ground surface. Extent of soil and groundwater contamination is not known. Status of the site investigation is also not known. It appears that there is the potential for TPH contamination from this site to impact project construction. Additional field investigation is necessary to verify impacts of contamination to the soil underlying the project's right of way adjacent to this site.

Site C10, Taylor Development is located at 999 Blossom Hill Road and is approximately 300 feet east of the river. Fifty (50) ppm of TPHG were detected at the depth of 11 feet below ground surface. Contaminated soil was excavated and removed off site. Extent of soil and groundwater contamination is not known. This site was assigned a "C" ranking from the District's Fuel Leak Section. It appears that there is the potential for petroleum hydrocarbons from this site to impact the project construction. Additional field investigation is necessary to verify impacts of the contamination to the soil underlying the project's right of way adjacent to this site.

Additionally, the site walk-by survey identified three (3) parcels, Parcels P001, P002, and P003, with potential environmental concern. Parcels P001 (APN 458-17-001), P002 (458-17-006), and P003 (APN 458-17-017) are agricultural fields and located adjacent to the east bank of the river. There is the potential for the presence of pesticides from past or present application to impact project construction. Additional field investigation is necessary to verify the presence and impacts of pesticide contamination on the soil underlying these parcels.

Embankment Areas and River Sediment

Excess soil will be generated from the project construction and will require proper soil handling and disposal practices. Depending on the quality of the soil, the excavated soil will have to be properly managed during construction. There is limited chemical data regarding the river sediment and soil along the banks of the Guadalupe River which can be used to obtain preacceptance for disposal of the excess excavated soil during construction. Due to the past and present site development along the Guadalupe River, which include agricultural and industrial developments, there is the potential for pesticides, petroleum hydrocarbons, chlorinated hydrocarbons, and metals to present in the river sediment and embankment soil which may impact project construction. Additional field investigation is necessary to identify impacts of past and present development of the adjacent lands to the soil underlying the embankment and bottom of the Guadalupe River.

IV. RECOMMENDATIONS

Based on the results of the Level I investigation presented in Section I of this memorandum, it is recommended that a Level II investigation be conducted to evaluate the impacts of contamination to the project construction. The objectives of the level II investigation are as follows:

1. Verify the results of the Level I investigation.

2. Verify the existence and estimate the extent of soil and/or groundwater contamination that may impact project design or construction.

3. Estimate impacts of contamination on properties to be acquired in fee or in easement by the District for the project.

4. Collect chemical data necessary to obtain preacceptance from appropriate soil disposal facilities and temporary wastewater discharge permit from the Regional Water Quality Control Board to minimize impacts of contaminated materials to project construction.

The recommendations for additional investigation are presented for each project reach as presented in Section III.

Reach A: Highway 101 to Interstate 880

The progress of investigation and cleanup activities of the eight fuel leak sites in the vicinity of the San Jose Airport should be continuously monitored. Since the existing data do not indicate that the contamination has migrated across and to the east bank of the Guadalupe where channel widening is proposed, no field investigation is recommended at this time.

Reach 6: Interstate 280 to SPRR

Site SB13 Former Photographic Processing Center: Due to the potential storage and usage of metal solution of the former photographic processing center, it is recommended that two (2) embankment soil samples and two (2) river sediment samples be collected in the vicinity southwest of Interstate 280 and the Guadalupe River intersection. The samples should be analyzed for priority metals.

Parcels P181 (APN 264-35-043) and P170 (APN 264-40-080): The 55-gallon drums on Parcel P181 should be inspected and verified that there is no storage or usage of hazardous materials on this parcel. The vertical pipe on Parcel P170 should be inspected to verify that it is not a vent pipe of an UST. The properties should also be inspected to insure that there is no storage or usage of hazardous materials on the properties.

Parcel P161 (APN 264-48-005): Two (2) soil borings to the minimum depth of 30 feet below the bottom of the UST should be installed at the location of the former gasoline UST closed in place to evaluate the impacts from the usage of UST on the property. Soil samples for chemical analysis should be collected at 10-foot intervals from a depth of 10 feet below ground surface and analyzed for TPHG and BTEX and TPHD. If groundwater is encountered, the soil borings should be converted to groundwater monitoring wells. Groundwater samples should also be analyzed for TPHG, BTEX, and TPHD. Three (3) 5-foot soil boring should be constructed at the locations where soil stainings and junk parts were observed. Samples at 2 and 5 feet depth should be analyzed for TPH, chlorinated hydrocarbons, and metals. Additionally, one (1) soil sample should be collected at 1 foot below the bottom of each sump inside the building and analyzed for chlorinated hydrocarbons, TPH, and metals.

Reach 7: SPRR to UPRR

Parcels P158 (APN 264-48-010) and P159 (APN 264-48-094): Six (6) shallow soil samples should be collected in the areas where surficial stains were observed to evaluate the type and impacts of contamination. The soil samples should be collected at a depth of 2 feet below ground surface and analyzed for TPH and chlorinated hydrocarbons.

Parcel P155 (APN 434-04-011): Three (3) soil borings to the depth of 30 feet below the bottom of the former UST should be constructed at the location of the former UST and fuel pump on site to evaluate the impact of the UST on the property. Soil samples for chemical analysis should be collected at 10-foot intervals from the depth of 10 feet below ground surface and analyzed for TPHD and TPHG and BTEX. Three (3) 10-foot soil borings should be installed in the open areas of the parcel. Soil samples should be collected at 5 and 10 feet depth and analyzed for TPH and chlorinated hydrocarbons. Additionally, soil samples at a depth of 1, 2.5, and 5 feet should be analyzed for pesticides. If groundwater is encountered, one (1) of the soil boring should be converted to a groundwater monitoring well. The groundwater sample should be analyzed for TPHD, TPHG and BTEX.

Parcel P153 (APN 434-04-003): The area under the concrete pad should be excavated to the depth of approximately 5 feet to determine whether or not an UST existed or is existing on the property. If it was determined that there was or is an UST at this location, two (2) soil borings should be constructed to the depth of 30 feet below the bottom of the UST. Soil samples for chemical analysis should be collected at 10-foot intervals from a depth of 10 feet below ground surface and analyzed for TPHD and TPHG and BTEX. Additionally, the soil samples collected at a depth of 1, 2.5, and 5 feet below ground surface in each soil boring should be analyzed for pesticides. If groundwater is encountered, the soil borings should be converted to groundwater monitoring wells. Groundwater samples should be analyzed for TPHD and TPHG and BTEX.

Parcel P152 (APN 434-04-011): Soil samples should be collected at 1 foot below the bottom of each sump inside the building occupied by Triumph's Only/Classics Too to determine if there has been any discharge of fluids in the sumps to the underlying soil. The soil samples should be analyzed for TPH, chlorinated hydrocarbons, and metals. Two (2) soil borings should be constructed to a depth of 30 feet below the bottom of the former UST abandoned in place on the property to evaluate the impact of the UST to the underlying soil. If groundwater is encountered, one soil boring should be converted to a groundwater monitoring well and the groundwater sample should be analyzed for TPHD and TPHG and BTEX. Additionally, three (3) soil borings to a depth of 30 feet below ground surface should be constructed in the open areas south and east of the building. Soil samples collected at a depth of 10, 20, and 30 feet below ground surface should be analyzed for TPHD and TPHG and BTEX. The soil sample collected at a depth of 1, 2.5, and 5 feet below ground surface in each soil boring should be analyzed for pesticides.

Parcel P151 (APN 434-04-012): Two (2) 30-foot soil borings should be constructed in the area south of the building occupied by Outboard/Inboard Marine where surficial stains were observed during site inspection to determine the type and evaluate the impact of contamination. Soil samples should be collected at 10 and 20 feet below ground surface and analyzed for TPHD, TPHG and BTEX, and chlorinated hydrocarbons. The soil samples collected at a depth of 1, 2.5, and 5 feet below ground surface should be analyzed for pesticides.

Parcel P149 (APN 434-04-066): Three (3) 30-foot soil borings and one (1) 60-foot soil boring should be constructed behind the three (3) auto repair shops that occupy the building located at 458-A Willow Street to determine if there were any discharge of hazardous materials to the underlying soil. The soil boring behind Armen's Auto Body Shop (i.e., 60-foot soil boring) should be converted to a groundwater monitoring well. Two (2) 30-foot soil borings should be constructed in the southern end of the building occupied by T & T Auto Body in the areas of surficial stain and auto part storage. Soil samples for chemical analysis should be collected at 10-foot intervals from a depth of 10 feet below ground surface and analyzed for TPHG and BTEX, TPHD, Oil and Grease, and chlorinated hydrocarbons. Soil samples collected at a depth of 1, 2.5, and 5 feet below ground surface should be analyzed for pesticides.

Additionally, three (3) 5-foot soil borings should be constructed adjacent to the three catch basins located in the open areas of the parcel. Soil samples should be collected at the bottom of the soil borings and analyzed for pesticides, TPHG and BTEX, TPHD, Oil and Grease, metals, and chlorinated hydrocarbons.

Parcel P148 (APN 434-04-002): Five (5) soil samples should be collected at a depth of 2 feet below ground surface at the vicinity of the discharge point of the storm sewer outflow pipe to determine whether or not the outflow from the adjacent industrial parcels has impacted the underlying soil in the vicinity of the outflow pipe. The samples should be analyzed for TPH, metals, and chlorinated hydrocarbons.

Parcel P143 (APN 434-19-027): The concrete pad should be excavated to a depth of 5 feet to determine whether or not there is an abandoned UST on the property. If there was an UST on site, three (3) soil borings should be installed to a minimum depth of 30 feet below the bottom of the UST to determine the impacts of the UST to the underlying soil. If groundwater is encountered or contamination is discovered, the soil borings should be converted to groundwater monitoring wells. Soil samples for chemical analysis should be collected at 10-foot intervals from a depth of 10 feet below ground surface and analyzed for TPHD and TPHG and BTEX. Groundwater samples should be analyzed for TPHD and TPHG and BTEX.

Reach 8: UPRR to Willow Glen Way

Parcel P139 (APN 434-27-033): The drums on the property and the property should be inspected to insure that there is no storage or usage of hazardous materials on the property. Additional field investigation may be necessary if it was determined that there is the potential for contamination to present on site.

Reach 9: Willow Glen Way to Curtner Avenue

Parcel P111 (APN 455-21-056): An on-site inspection for hazardous materials should be conducted on these parcels since the owner did not allow the District's consultant access to the site. Two (2) soil boring to a depth of 10 feet below ground surface should be constructed in the area northwest of the property where soil stains were detected in aerial photograph review. Soil samples should be collected at a depth of 2.5, 5, and 10 feet below ground surface and analyzed for Oil and Grease, TPHD, and TPHG and BTEX.

Parcels P110 (APN 455-21-057): An on-site inspection for hazardous materials should be conducted on these parcels since the owner did not allow the District's consultant access to the site. Two (2) soil borings to a depth of 30 feet should be constructed where the former above ground storage tanks were located. Soil samples for chemical analysis should be collected at 10-foot intervals starting from a depth of 10 feet below ground surface. Soil samples should be analyzed for Oil and Grease, TPHD, TPHG and BTEX.

Reach 10: Curtner Avenue to Capitol Expressway

Parcel P055 (APN 455-27-009): An on-site inspection should be conducted to determine the purpose and integrity of what appears to be an abandoned well and stand pipe on the property. The property should also be inspected to insure that there is no storage or usage of hazardous materials.

Parcel P026 (APN 455-12-007): Ten (10) soil samples from five locations, on the portion of the parcel that will be acquired by the District, should be collected at a depth of 1 and 2.5 feet below ground surface to determine whether or not past or present usage of pesticides has impacted the underlying soil. The samples should be analyzed for pesticides.

Parcel P025 (APN 455-39-006): Six (6) soil samples, on the portion of the parcel that will be acquired by the District, should be collected at a depth of 1 and 2.5 feet below ground surface to determine whether or not past or present application of pesticides has impacted the underlying soil. The samples should be analyzed for pesticides.

Parcel P024 (APN 455-09-003): Two (2) groundwater monitoring wells should be installed on the east bank of the Guadalupe River adjacent to the Valley View Packing Plant to determine whether or not past discharge of petroleum hydrocarbons from the Valley View Packing Plant has impacted the Guadalupe River. Soil samples for chemical analysis should be collected at 10-foot intervals and analyzed for TPHD and TPHG and BTEX. The soil samples collected at a depth of 1, 2.5 and 5 feet below ground surface should be analyzed for pesticides. Groundwater samples should be analyzed for TPHD and TPHG and BTEX.

Reach 11: Capitol Avenue to Branham Lane

Potential Fuel Service Station at Corner of Branham Lane and Almaden Expressway: The impacts of the potential former services station to the project construction should be evaluated. Two (2) soil borings to a depth of 30 feet below ground surface should be constructed between the river and the former service station. Soil samples collected at a depth of 10, 20, and 30 feet below ground surface should be analyzed for TPHD and TPHG and BTEX.

Parcel P016 (APN 459-02-013): The drums on the property and the pperty should be inspected to insure that there is no storage or usage of hazardous materials on the property. Additional field investigation may be necessary if there is the potential for storage and usage of hazardous chemicals on the property.

Parcel P011 (APN 459-02-001): The progress of investigation and cleanup of the Upton Property should be monitored to evaluate the impacts of contamination to the project construction. No field work is recommended at this time until the information to be collected by the owner from the additional investigation is submitted and evaluated.

Reach 12: Branham Lane to Blossom Hill Road

P002 (APN 458-17-006) and P003 (APN 458-17-017): Four (4) samples should be collected from two (2) locations along the portion of each parcel that the District will acquire to determine the impacts of past or present application of pesticides on the underlying soil. The samples should be collected at a depth of 1 and 2.5 feet below ground surface and analyzed for pesticides.

Parcels P001 (APN 458-17-001): the underlying soil should be sampled to determine the impact of pasts or present application of pesticides and storage of waste oil on the property. Three (3) soil samples should be collected along the portion of the parcel that will be acquired by the District at a depth of 2 feet below ground surface and analyzed for metals and pesticides. Two (2) soil samples should be collected at the waste oil storage area at a depth of 2 feet below ground surface and analyzed for oil and grease.

Sites C9 Kaiser Development and C10 Taylor Development: The investigation of the Kaiser Development site should be monitored to evaluate contamination impacts to project construction. Three (3) soil samples should be collected on the embankment of the river adjacent to the Kaiser Development and Taylor Development sites to determine the impact of contamination to the project construction. The samples should be collected at a depth of 2 feet below existing ground surface and analyzed for TPH and chlorinated hydrocarbons.

River Sediment and Embankment Soil

Due to the potential large quantity of excavated soil to be generated during project construction, it is recommended that a river sediment sample and an embankment soil sample be collected at a 500-linear foot intervals along the east bank of the river. The analytical results will be used to characterize the soil to be generated during construction and to obtain preacceptance from disposal facility. Approximately 67 embankment soil samples and 67 sediment samples should be analyzed for priority metals, TPH, and chlorinated hydrocarbons. Additionally, approximately 8, 13 and 13 embankment soil samples along Reaches 7, 10, and 12, respectively, should be analyzed for pesticide constituents due to possible past application of pesticides in these areas.

Property Acquisition

Based on the information available at the time the Level I investigation was conducted by Kleinfelder, no additional investigation for hazardous materials is recommended for the 168 properties that were ranked "low" and listed in Table 1. Additional field investigation for hazardous materials is recommended for the 26 properties that were ranked "high," that are listed in Table 2, which have potential for contamination to exist on the property which may impact the project construction or property acquisition. The soil and/or groundwater underlying each property should be sampled for chemical analysis to evaluate the impact of contamination to the project prior to the acquisition of the property.

Table 3 presents the cost estimate for the Level II field investigation for the Upper Guadalupe River Project. The total cost for the recommended Level II field investigation is $539,166 The estimated field investigation cost is $363,075. This cost covers the collection of 60 shallow soil samples to the depth of 2 feet below ground surface on contaminated sites and 167 embankment and sediment soil samples along the river alignment, installation of 35 soil borings ranging from 5 feet to 40 feet below ground surface, installation and development of 13 groundwater monitoring wells to the depth of 40 feet below ground surface, collection of soil samples and groundwater samples in the soil borings and wells for chemical analysis, and laboratory analytical fee.

The report preparation cost is estimated to be 20 percent of the field investigation cost or $72,615. It is expected that a detailed draft and final work plan shall be prepared by the consultant to be retained to perform the investigation. The project management cost is estimated to be 15 percent of the field investigation cost or $54,461. The project management tasks include: providing consultation to District staff, meeting, management and coordination of all subcontractors related to field investigation, managing and arranging for project staff, tracking budget, preparing monthly progress report, making presentation to the District, and transmitting reports and documents to the District.

The contingency fund is estimated to be 10 percent of the sum of field investigation cost, report preparation cost, and project management cost or $49,015. The contingency fund will be used for unforeseen labor, equipment, materials, or services required during the project with the approval of the District.

We expect that it will take approximately four (4) months, from the time the request to proceed with the Level II investigation for hazardous materials is made, to retain and negotiate a contract for the Level II investigation for the Upper Guadalupe River Project. The investigation will take approximately eight (8) months to complete. Therefore, approximately twelve (12) months will be required to complete the Level II investigation for the project.

If you have any questions or require any additional information, please contact Ngoc Nguyen at extension 2732 .

ORIGINAL SIGNED BY
Supervising Engineer
Environmental Compliance Division

Attachments

cc: D. Chesterman, V. Lico (w/attachments), B. Goldie (2, w/attachments), C. Presley, D. Cheong (w/attachments), N. Nguyen (w/attachments), File, Read

NN:mt

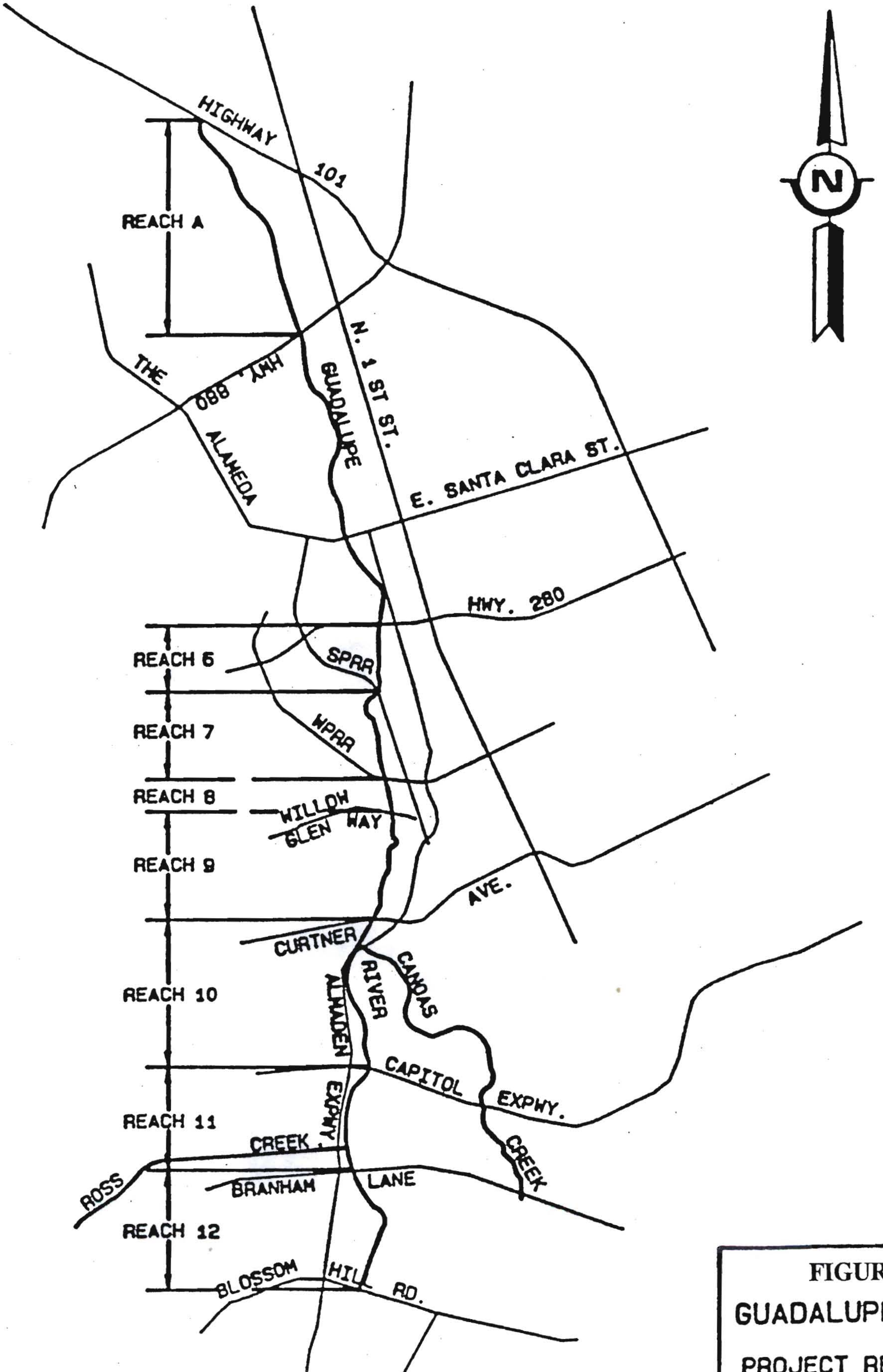

FIGURE 1
GUADALUPE RIVER
PROJECT REACH MAP

TABLE 1
Properties With Low Potential for Contamination Impacts
Upper Guadalupe River Project
June 29, 1992

Map Number[1]	Map Location[2]	APN	Address	Site Development
2	P 194	264-35-017	340 Grant Street	Residential
2	P 193	264-35-019	334 Grant Street	Residential
2	P 192	264-35-021	677 Palm Street	Residential
2	P 191	264-35-026	697 Palm Street	Residential
2	P 190	264-35-027	None observed	Undeveloped
2	P 189	264-35-028	377 McLellan Avenue	Residential
2	P 188	264-35-029	707 Palm Street	Residential
2	P 187	264-35-093	717 Palm Street	Residential
2	P 186	264-35-094	723 & 725 Palm Street	Residential
2	P 185	264-35-049	376 McLellan Avenue	Residential
2	P 184	264-37-047	766 McLellan Avenue	Residential
2	P 183	264-35-046	768 McLellan Avenue	Residential
2	P 182	264-35-044	772 McLellan Avenue	Residential
2	P 180	264-35-040	335 W. Virginia Street	Residential
2	P 179	264-35-041	337 W. Virginia Street	Residential
2	P 178	264-40-038	802 McLellan Avenue	Residential
2	P 177	264-40-042	817 Harliss Avenue	Residential
2	P 176	264-40-043	821 Harliss Avenue	Residential
2	P 175	260-40-044	825 Harliss Avenue	Residential
2	P 174	260-40 093	820 McLellan Avenue	Residential

TABLE 1
Properties With Low Potential for Contamination Impacts
Upper Guadalupe River Project
June 29, 1992

(Continued)

Map Number[1]	Map Location[2]	APN	Address	Site Development
2	P 173	264-90-092	832 McLellan Avenue	Residential
2	P 172	264-40-085	896 & 898 McLellan Avenue	Residential
2	P 171	264-40-081	932 & 934 McLellan Avenue	Residential
2	P 169	264-40-078	952 McLellan Avenue	Residential
2	P 168	264-40-103	960 McLellan Avenue	Residential
2	P 167	264-40-117	964 McLellan Avenue	Residential
2	P 166	264-40-116	966 McLellan Avenue	Residential
2	P 165	264-40-076	968 McLellan Avenue	Residential
2	P 164	264-40-075	970 McLellan Avenue	Residential
2	P 163	264-48-001	None observed	Slab foundation
2	P 162	264-48-086	965/967 McLellan Avenue	Residential
2	P 160	264-48-006	None observed	Railroad overpass
2	P 157	264-48-103	None observed	Undeveloped
2	P 156	264-48-080	None observed	Motel/Apartment
2	P 154	434-04-004	454 Willow Street	Offices
2	P 150	434-04-013	1145 Lelong Avenue	Office
2	P 147	434-04-001	None observed	Undeveloped
2	P 146	434-04-069	None observed	Undeveloped
2	P 145	434-13-023	None observed	Undeveloped
2	P 144	434-20-023	444 Alma Avenue	San Jose Elks

TABLE 1
Properties With Low Potential for Contamination Impacts
Upper Guadalupe River Project
June 29, 1992

(Continued)

Map Number[1]	Map Location[2]	APN	Address	Site Development
2	P 142	434-19-033	None observed	Railroad overpass
2	P 141	434-27-031	1535 Mackey Avenue	Residential
2	P 140	434-27-032	1545 Mackey Avenue	Residential
2	P 138	434-27-038	1603 Mackey Avenue	Residential
2	P 137	434-27-040	1623 Mackey Avenue	Residential
2	P 136	434-27-041	1633 Mackey Avenue	Residential
2	P 135	434-27-042	1641 Mackey Avenue	Residential
2	P 134	434-27-043	1651 Mackey Avenue	Residential
2	P 133	434-27-044	1661 Mackey Avenue	Residential
2	P 132	434-27-045	1671 Mackey Avenue	Residential
2	P 131	434-28-003	1678 Creek Drive	Residential
2	P 130	434-27-047	1689 Mackey Avenue	Residential
2	P 129	434-27-110	525 Northern Road	Residential
2	P 128	455-21-001	None observed	SJ Water well field
2	P 127	434-29-022	1732 Creek Drive	Residential
2	P 126	434-29-020	1746 Creek Drive	Residential
2	P 125	434-29-019	1752 Creek Drive	Residential
2	P 124	434-29-019	1760 Creek Drive	Residential
2	P 123	434-29-017	1768 Creek Drive	Residential
2	P 122	434-29-016	1776 Creek Drive	Residential

TABLE 1
Properties With Low Potential for Contamination Impacts
Upper Guadalupe River Project
June 29, 1992

(Continued)

Map Number[1]	Map Location[2]	APN	Address	Site Development
2	P 121	434-29-015	1784 Creek Drive	Residential
2	P 120	434-29-014	1792 Creek Drive	Residential
2	P 119	434-29-013	639 Pine Avenue	Residential
2	P 118	455-21-011	1709 Guadalupe Avenue	Residential
2	P 117	455-21-012	1713 Guadalupe Avenue	Residential
2	P 116	455-21-013	1719 Guadalupe Avenue	Residential
2	P 115	455-21-020	1752 Guadalupe Avenue	Residential
2	P 114	455-21-017	1759 Guadalupe Avenue	Residential
2	P 113	455-21-019	1756 Guadalupe Avenue	Residential
2	P 112	455-21-055	1873 Almaden Road	Office
2	P 109	455-31-027	None observed	SJ Water well field
2	P 108	455-31-043	None observed	Undeveloped
2	P 107	439-25-033	1808 Creek Drive	Residential
2	P 106	439-25-032	1820 Creek Drive	Residential
2	P 105	439-25-031	1830 Creek Drive	Residential
2	P 104	439-25-030	1840 Creek Drive	Residential
2	P 103	439-25-029	1848 Creek Drive	Residential
2	P 102	439-25-028	1856 Creek Drive	Residential
2	P 101	439-25-027	1862 Creek Drive	Residential
2	P 100	439-25-026	1868 Creek Drive	Residential

TABLE 1
Properties With Low Potential for Contamination Impacts
Upper Guadalupe River Project
June 29, 1992

(Continued)

Map Number[1]	Map Location[2]	APN	Address	Site Development
2	P 099	439-25-025	1874 Creek Drive	Residential
2	P 098	439-25-024	1878 Creek Drive	Residential
2	P 097	439-25-023	1884 Creek Drive	Residential
2	P 096	439-25-022	1890 Creek Drive	Residential
2	P 095	439-25-021	1896 Creek Drive	Residential
2	P 094	439-25-020	1904 Creek Drive	Residential
2	P 093	439-25-019	1912 Creek Drive	Residential
2	P 092	439-25-018	1922 Creek Drive	Residential
2	P 091	439-25-017	1930 Creek Drive	Residential
2	P 090	439-25-016	1938 Creek Drive	Residential
2	P 089	439-25-015	1944 Creek Drive	Residential
2	P 088	439-24-014	1950 Creek Drive	Residential
2	P 087	439-25-013	1954 Creek Drive	Residential
2	P 086	439-25-012	1960 Creek Drive	Residential
2	P 085	439-25-011	1966 Creek Drive	Residential
2	P 084	439-25-009	1978 Creek Drive	Residential
2	P 083	439-25-008	1984 Creek Drive	Residential
2	P 082	439-25-001	None observed	Residential
2	P 081	439-31-044	None observed	Undeveloped
2	P 080	439-26-062	758-760 Malone Road	Residential

TABLE 1
Properties With Low Potential for Contamination Impacts
Upper Guadalupe River Project
June 29, 1992

(Continued)

Map Number[1]	Map Location[2]	APN	Address	Site Development
2	P 079	455-18-068	None observed	Undeveloped
2	P 078	439-26-060	776 Malone Road	Residential
2	P 077	439-26-059	800 Malone Road	Residential
2	P 076	439-26-026	2106 Ardis Drive	Residential
2	P 075	439-26-025	2110 Ardis Drive	Residential
2	P 074	439-26-024	2114 Ardis Drive	Residential
2	P 073	439-26-023	2118 Ardis Drive	Residential
2	P 072	439-26-022	2122 Ardis Drive	Residential
2	P 071	439-26-021	2126 Ardis Drive	Residential
2	P 070	439-26-020	2130 Ardis Drive	Residential
2	P 069	439-26-019	2132 Ardis Drive	Residential
2	P 068	439-26-018	2134 Ardis Drive	Residential
2	P 067	455-18-007	None observed	Undeveloped
2	P 066	439-26-010	2174 Coastland Avenue	Residential
2	P 065	439-26-009	2182 Coastland Avenue	Residential
2	P 064	439-26-008	2188 Coastland Avenue	Residential
2	P 063	439-26-007	2194 Coastland Avenue	Residential
2	P 062	439-26-006	2198 Coastland Avenue	Residential
2	P 061	439-26-005	2206 Coastland Avenue	Residential
2	P 060	439-26-004	2216 Coastland Avenue	Residential

TABLE 1
Properties With Low Potential for Contamination Impacts
Upper Guadalupe River Project
June 29, 1992

(Continued)

Map Number[1]	Map Location[2]	APN	Address	Site Development
2	P 059	439-26-003	2226 Coastland Avenue	Residential
2	P 058	439-26-002	2236 Coastland Avenue	Residential
2	P 057	439-26-001	2246 Coastland Avenue	Residential
2	P 056	455-27-010	None observed	Undeveloped
2	P 054	439-51-049	856 Curtner Avenue	Residential
2	P 053	439-51-048	860 El Rio Drive	Residential
2	P 052	439-51-046	870 El Rio Drive	Residential
2	P 051	439-51-045	874 El Rio Drive	Residential
2	P 050	439-51-044	878 El Rio Drive	Residential
2	P 049	439-51-043	880 El Rio Drive	Residential
2	P 048	439-51-042	886 El Rio Drive	Residential
2	P 047	439-51-041	892 El Rio Drive	Residential
2	P 046	439-51-040	896 El Rio Drive	Residential
2	P 045	439-51-039	902 El Rio Drive	Residential
2	P 044	439-51-038	908 El Rio Drive	Residential
2	P 043	[2]439-51-037	912 El Rio Drive	Residential
2	P 042	439-51-036	946/924 El Rio Drive	Residential
2	P 041	455-27-008	None observed	Undeveloped
3	P 040	455-29-102	2543 & 2549 Skylark Drive	Residential
3	P 039	455-29-086	2553 & 2557 Skylark Drive	Residential

TABLE 1
Properties With Low Potential for Contamination Impacts
Upper Guadalupe River Project
June 29, 1992

(Continued)

Map Number[1]	Map Location[2]	APN	Address	Site Development
3	P 038	455-29-087	2571 & 2577 Skylark Drive	Residential
3	P 037	455-29-088	2583 & 2585 Skylark Drive	Residential
3	P 036	455-29-089	2595 & 2597 Skylark Drive	Residential
3	P 035	455-29-054	2633 & 2637 Skylark Drive	Residential
3	P 034	455-29-091	2645 & 2649 Skylark Drive	Residential
3	P 033	455-29-092	2653 & 2657 Skylark Drive	Residential
3	P 032	455-29-057	2661 Skylark Drive	Residential
3	P 031	455-29-058	2673 & 2679 Skylark Drive	Residential
3	P 030	455-29-093	2685 & 2691 Skylark Drive	Residential
3	P 029	455-29-096	2697 & 2703 Skylark Drive	Residential
3	P 028	455-29-094	2709 & 2715 Skylark Drive	Residential
3	P 027	455-29-095	2733 Skylark Drive/ 1001 Bluejay Drive	Residential
3	P 023	459-06-035	13392 Steval Place	Residential
3	P 022	459-06-036	13394 Steval Place	Residential/Commercial
3	P 021	459-03-007	None observed	Undeveloped
3	P 020	459-06-004	None observed	Undeveloped
3	P 019	459-06-003	None observed	Undeveloped
3	P 018	459-06-001	None observed	Undeveloped
3	P 017	459-06-002	None observed	Undeveloped
3	P 015	459-02-008	None observed	SJ Water Co./Undeveloped

TABLE 1
Properties With Low Potential for Contamination Impacts
Upper Guadalupe River Project
June 29, 1992

(Continued)

Map Number[1]	Map Location[2]	APN	Address	Site Development
3	P 014	459-02-004	None observed	SJ Water Co. well field
3	P 013	459-02-003	13958 Almaden Expwy	Residential
3	P 012	459-02-002	13958 Almaden Expwy	Undeveloped
3	P 010	459-01-009	None observed	Undeveloped
3	P 009	459-01-005	14098 Almaden Road	Residential
3	P 008	459-01-004	None observed	Residential
3	P 007	459-01-003	4580 Almaden Expwy	Auto part retail
3	P 006	458-18-015	4606 Almaden Expwy	Garden center
3	P005	458-17-013	4700 Almaden Expwy	Retail center
3	P 004	458-17-016	None observed	Retail and automotive center

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[1] Refer to Maps 1, 2, and 3 submitted with Kleinfelder's "Upper Guadalupe River Flood Control Project, Hazardous Materials Investigation, Project Area Review Report, San Jose, California" dated January 9, 1992

[2] Refer to parcel numbers used in Kleinfelder's "Upper Guadalupe River Flood Control Project, Hazardous Materials Investigation, Project Area Review Report, San Jose, California" dated January 9, 1992

TABLE 2
Properties With High Potential for Contamination Impacts
Upper Guadalupe River Project
June 29, 1992

Map Number[1]	Map Location[2]	APN	Address	Site Development	Reason for Concern
REACH 6: INTERSTATE 280 TO SOUTHER PACIFIC RAILROAD (SPRR)					
2	P 181	264-35-043	774 McLellan Avenue	Residential	Three 55-gal drums observed on drive way
2	P 170	264-40-080	940 McLellan Avenue	Residential	Possible vent of UST observed on property
2	P 161	264-48-005	384 McLellan Avenue	Bennett's Auto Service	Sump, former UST, soil stains
REACH 7: SPRR TO WESTERN PACIFIC RAILROAD (WPRR)					
2	P 159	264-48-094	None observed	Guadalupe Fwy overpass	Visible soil staining
2	P 158	264-48-010	None observed	Guadalupe Fwy overpass	Visible soil staining
2	P 155	434-04-006	450 Willow Street	Office and auto repair	UST and past usage of pesticides
2	P 153	434-04-003	456A Willow Street	Office and auto repair	Former UST
2	P 152	434-04-011	1127 Lelong Street	Roofing and auto repair	Sump, former UST, past usage of pesticides
2	P 151	434-04-012	1143 Lelong Street	Boat motor service	Soil stains on southern portion of site
2	P 149	434-04-066	456-458 Willow Street	Auto service	Use of hazardous materials, soil stains
2	P 148	434-04-002	None observed	Undeveloped	Commercial zone, w/i 200 feet of Lelong/Willow Industrial area
2	P 143	434-19-027	520 Alma Avenue	Restaurant	Cement pad suspected of former UST
REACH 8: WPRR TO WILLOW GLEN WAY					
2	P139	434-27-033	1555 Mackey Avenue	Residential	55 gallon drums on site

TABLE 2
Properties With High Potential for Contamination Impacts
Upper Guadalupe River Project
June 29, 1992
(Continued)

Map Number[1]	Map Location[2]	APN	Address	Site Development	Reason for Concern
REACH 9: WILLOW GLEN WAY TO CURTNER AVENUE					
2	P 111	455-21-056	1891 Almaden Road	Farr Construction	Access was denied, soil stains from aerial photographs
2	P 110	455-21-057	1891 Almaden Road	Golden State Builder	Access was denied, possible former above ground storage tanks
REACH 10: CURTNER AVENUE TO CAPITOL EXPRESSWAY					
2	P 055	455-27-009	None observed	Undeveloped	Possible abandoned well on-site
3	P 026	455-12-007	None observed	Agricultural	Potential pesticide use
3	P 025	455-39-006	None observed	Agricultural	Potential pesticide use
3	P 024	455-39-003	None observed	Valley View Packing Plant	Petroleum hydrocarbon contamination, potential pesticide use
REACH 11: CAPITOL AVENUE TO BRANHAM AVENUE					
3	P 016	459-02-013	3969 Wellington Square	Residential	Potential storage of pesticides and petroleum hydrocarbons
3	P 011	459-02-001	3278 Almaden Expwy	Undeveloped	Known hydrocarbon contamination,
REACH 12: BRANHAM AVENUE TO BLOSSOM HILL ROAD					
3	P 003	458-17-017	None observed	Agricultural	Potential use of pesticides
3	P 002	458-17-006	None observed	Agricultural	Potential use of pesticides
3	P 001	458-17-001	None observed	Commercial/Agricultural/ Residential	Storage and use of petroleum hydrocarbon and pesticide

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[1] Refer to Maps 1, 2, and 3 submitted with Kleinfelder's "Upper Guadalupe River Flood Control Project, Hazardous Materials Investigation, Project Area Review Report, San Jose, California" dated January 9, 1992

[2] Refer to parcel numbers used in Kleinfelder's "Upper Guadalupe River Flood Control Project, Hazardous Materials Investigation, Project Area Review Report, San Jose, California" dated January 9, 1992